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(54) Title: HUMAN PROTEINS HAVING TRANSMEMBRANE DOMAINS AND DNAs ENCODING THESE PROTEINS

(57) Abstract

Proteins comprising any of the amino acid sequences of SEQ ID NOS: 1 to 18 and DNAs encoding said proteins and comprising any of the nucelotide sequences of SEQ ID NOS: 19 to 36 are provided.

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INTERNATIONAL SEARCH REPORT

Intern anal Application No PC1/JP 98/02445

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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.			
А	KYTE J. ET AL.: "A SIMPLE METHO DISPLAYING THE HYDROPATHIC CHARA PROTEIN" JOURNAL OF MOLECULAR BIOLOGY, vol. 157, no. 1, 5 May 1982, pag 105-132, XP000609692 cited in the application	CTER OF A				
Α	LIBERT F. ET AL.: "SELECTIVE AMPLIFICATION AND CLONING OF FOU MEMBERS OF THE G PROTEIN-COUPLED FAMILY" SCIENCE, vol. 244, 5 May 1989, pages 569-XP002041588	RECEPTOR				
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other means other means other means other means other means document is combined with one or more other such documents, such combination being obvious to a person skilled						
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Name and n	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer				
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INTERNATIONAL SEARCH REPORT

Interno nat Application No
PCT/JP 98/02445

C.(Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/JP 98/02445		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	MILLS A. AND DUGGAN M.J.: "ORPHAN SEVEN TRANSMEMBRANE DOMAIN RECEPTORS: REVERSING PHARMACOLOGY" TRENDS IN BIOTECHNOLOGY, vol. 12, February 1994, pages 47-49, XP002078287			
4	Database EMBL, entry Emest7:HS010272 Accession number N39010 25 January 1996 99% identity with Seq.ID:19 nt.647-1146. XP002078288 see the whole document	2-4		
A	Database EMBL, entry Emest9:HS204207 Accession number H57204 7 October 1995 96% identity with Seq.ID:19 nt.1-437. XP002078292 cited in the application see the whole document	2-4		

INTERNATIONAL SEARCH REPORT

In. ational application No. PCT/JP 98/02445

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-6: all partially (see subject 1, extra sheet)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1-6 all partially.

A protein comprising an aminoacid sequence as in Seq.ID:1, encoding DNA, as in Seq.ID19 and 37, related expression vector and transformed eukaryotic cell.

2. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:2, 20 and 38.

3. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:3, 21 and 39.

4. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:4, 22 and 40.

5. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:5, 23 and 41.

6. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:6, 24 and 42.

7. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:7, 25 and 43.

8. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:8, 26 and 44.

9. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:9, 27 and 45.

10. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:10, 28 and 46.

11. Claims: 1-6 all partially.

As invention 1 but concerning Seq.ID:11, 29 and 47.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

- 12. Claims: 1-6 all partially.

 As invention 1 but concerning Seq.ID:12, 30 and 48.
- 13. Claims: 1-6 all partially.
 As invention 1 but concerning Seq.ID:13, 31 and 49.
- 14. Claims: 1-6 all partially.
 As invention 1 but concerning Seq.ID:14, 32 and 50.
- 15. Claims: 1-6 all partially.

 As invention 1 but concerning Seq.ID:15, 33 and 51.
- 16. Claims: 1-6 all partially.

 As invention 1 but concerning Seq.ID:16, 34 and 52.
- 17. Claims: 1-6 all partially.

 As invention 1 but concerning Seq.ID:17, 35 and 53.
- 18. Claims: 1-6 all partially.
 As invention 1 but concerning Seq.ID:18, 36 and 54.